

REMARKS

Claims 1-10, pending in this application, stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,501,746 to Leung in view of U.S. Patent No. 6,842,456 to Chen et al. Applicant respectfully traverses the rejection.

The Examiner relied upon Figs. 5 and 7, col. 9, line 63 to col. 10, lines 19, and col. 11 lines 6-32 of Leung to describe "a mobility-binding table (memory) for storing the current address of a mobile node" and "a router that maps (transfers) a mobile ID (home address) to an IP address, using a care-of address." Page 2, lines 14-19 of the Office Action. The cited portions of Leung appear to merely describe the operations of a convention home agent wherein addresses are stored. The Examiner acknowledged that Leung does not disclose "converting the home address destination to a current address destination, but relied upon col. 3 line 60 to col. 4 line 4 of Chen et al. as a combining reference for disclosing this feature. The cited portions of Chen et al. appears to merely describe the operations of a convention home agent that forwards a packet destined for a mobile node to a care-of-address. The Examiner, therefore, failed to address the crucial claim feature of "storing a current address of said mobile node which should be stored by a correspondent node of the packet communication in place of the correspondent node," as recited in claim 1. (Emphasis added) Indeed, the Examiner has apparently ignored the recited "correspondent node" altogether.

Furthermore, Leung appears to only describe a technique for assigning an IP address to a mobile node during a registration process. (See, e.g., Abstract of Leung) Fig. 1 and the corresponding description of the prior art in Leung include a "corresponding node 18" that is communicating with the "mobile node 6," and do not appear to describe or suggest any current

address that "should be stored by a correspondent node" but is stored in a memory means of a mobile node adapted router "in place of the correspondent node," as recited in claim 1.

Correspondingly, Chen et al. appears to only describe the use of a mobile node identifier for reducing encapsulation overhead of packets between a home agent and a foreign agent. Chen et al. discloses a technique where the home agent removes the home address of an original IP packet and replaces the same with a care-of address and sends the packet without encapsulation by appending a mobile node identifier. The foreign agent uses the mobile node identifier to identify the received packet and replaces the care-of address of the packet with the home address. (See, e.g. Fig. 6 and the corresponding description in Chen et al.) Therefore, Chen et al. do not appear to describe or suggest any current address that "should be stored by a correspondent node" but is stored in a memory means of a mobile node adapted router "in place of the correspondent node," as recited in claim 1.

It is, therefore, respectfully submitted that even assuming, arguendo, that it would be obvious to one skilled in the art to combine the references in the manner proposed by the Examiner, such combination would still fail to teach or suggest,

"[a] mobile node adapted router...comprising...memory means for storing a current address of said mobile node which should be stored by a correspondent node of the packet communication in place of the correspondent node..." as recited in claim 1. (Emphasis added)

Accordingly, applicant respectfully submit that independent claim 1, together with claims 2-3 and 5-8 dependent therefrom, are patentable over Leung and Chen et al. individually and in combination. Applicant further notes that dependent claim 3 recites "said network includes a home agent router..." that is separate from the claimed "mobile node adapted router" wherein "registering [is] triggered by the transfer of an updated address from the home agent router..." The portions of Leung relied upon by the Examiner, on the other hand, merely describe the

foreign agent sending a registration request to the home agent. Page 3, lines 11-14 of the Office Action. Applicant, therefore, respectfully submits that dependent claim 3 is patentable over the Leung and Chen et al. for this additional reason.

With respect to independent claim 4, the Examiner relied upon col. 8, lines 5-24 of Leung to describe a "home agent router sending a registration reply (notification) to a foreign agent/router." Page 4, lines 1-2 of the Office Action. Claim 4 recites, in part,

"[a] home agent router...comprising:
a receiving means for receiving update notifying information transmitted for notifying the home agent router of updating of the address along with a change of the current address due to movement of the mobile node and
an address update notifying means for transmitting the current address after updating to another router forming the network when receiving the update notifying information."
(Emphasis added)

The cited portions of Leung appears to merely describe a registration reply from a home agent where the reply includes the mobile node ID, and may include an IP address (or "Home Address ID extension") assigned to the mobile node in the home agent. This registration reply, however, does not include "the current address" that is received by the home agent in "a change of the current address due to movement of the mobile node," as recited in claim 4.

Applicant, therefore, respectfully submits that independent claim 4, together with claims 9-10 dependent therefrom, is patentable over Leung and Chen et al. for at least the above-stated reasons.

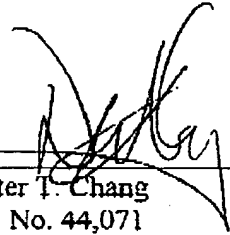
Statements appearing above in respect to the disclosures in the cited references represent the present opinions of the undersigned attorney and, in the event that the Examiner disagrees with any of such opinions, it is respectfully requested that the Examiner specifically indicate those portions of the respective reference providing the basis for a contrary view.

The Examiner has made of record, but not applied, a U.S. patent and a U.S. patent application publication. Applicant appreciates the Examiner's implicit finding that these references, whether considered alone or in combination with others, do not render the claims of the present application unpatentable.

In view of the remarks set forth above, this application is in condition for allowance which action is respectfully requested. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,



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